

**Abstract**

The invention concerns a method for supporting communication between a switching system and a PSTN terminal connected with a network termination unit through an analog subscriber line. Broadband traffic packets as well as a number of synchronous channels are transferred in both directions over a subscriber line between the network termination unit and the subscriber line board of the switching system. At least one ISDN-B channel and one ISDN-D channel is provided based on such synchronous channels. A protocol converter converts between an analog loop signaling applied on the analog subscriber line and digital signaling messages transported over the ISDN-D channel. An analog to digital conversion is performed between the analog subscriber line and the ISDN-B channel.